

CSMISS IT Seminar Series



Real-Time Specification for Java: A Tutorial

by

***Dr. Greg Bollella,
Principal Investigator
for Real-Time Java,
Sun Microsystems
Laboratories***

***Wednesday,
September 4, 2002
12:00 – 2:00 P.M.
167 Conference Room***

For each class and selected methods from the Real-Time Specification for Java (RTSJ), Dr. Bollella will discuss their purpose in the RTSJ, semantics that might not be clear from the RTSJ text, how to use them in code, and how not to use them. He will also include some code examples, and will discuss the specification itself. In essence, this will be a “chalk talk,” and he will walk through the specification, class by class and method by method.

Dr. Greg Bollella, Principle Investigator for Real-Time Java at Sun Microsystems Laboratories, has been interested in algorithms and software architectures that support the deterministic execution of logic within general-purpose operating systems and virtual machines since 1992. While a Senior Architect at IBM, he led the Real-Time for Java Expert Group, under the Java Community Process that developed the Real-Time Specification for Java (RTSJ). At Sun Labs, he continues to be actively involved in internal and external projects which support the RTSJ, especially in architectures for the emerging sensor industry. He concurrently holds a position at NASA's Jet Propulsion Laboratory as Distinguished Visiting Scientist, and is working on developing software architectures for spacecraft. Bollella holds a Ph.D. in computer science from the University of North Carolina at Chapel Hill. His dissertation research is in real-time scheduling theory and real-time systems implementation.



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